

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10|829,427
Source: IFWO
Date Processed by STIC: 10-18-04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 10/18/2004

PATENT APPLICATION: US/10/829,427

TIME: 09:59:19

Input Set : A:\252202US0.txt

Output Set: N:\CRF4\09282004\J829427.raw

3 <110> APPLICANT: FURUKAWA, KEISUKE
 4 KAJIYAMA, NAOKI
 6 <120> TITLE OF INVENTION: MODIFIED SARCOSINE OXIDASES, GENES AND
 RECOMBINANT DNAS THEREOF,
 7 AND METHODS FOR PREPARING THE SAME
 9 <130> FILE REFERENCE: 252202US0
 11 <140> CURRENT APPLICATION NUMBER: 10/829,427
 12 <141> CURRENT FILING DATE: 2004-04-22
 14 <150> PRIOR APPLICATION NUMBER: JP 2003-121533
 15 <151> PRIOR FILING DATE: 2003-04-25
 17 <150> PRIOR APPLICATION NUMBER: JP 2003-396807
 18 <151> PRIOR FILING DATE: 2003-11-27
 20 <150> PRIOR APPLICATION NUMBER: JP 2004-116345
 21 <151> PRIOR FILING DATE: 2004-04-12
 23 <160> NUMBER OF SEQ ID NOS: 4
 25 <170> SOFTWARE: PatentIn version 3.3
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 387
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Synthetic Peptide
 35 <400> SEQUENCE: 1
 37 Met Ser Thr His Phe Asp Val Ile Val Val Gly Ala Gly Ser Met Gly
 38 1 5 10 15
 41 Met Ala Ala Gly Tyr Tyr Leu Ala Lys Gln Gly Val Lys Thr Leu Leu
 42 20 25 30
 45 Val Asp Ala Phe Asp Pro Pro His Thr Glu Gly Ser His His Gly Asp
 46 35 40 45
 49 Thr Arg Ile Ile Arg His Ala Tyr Gly Glu Gly Arg Lys Tyr Val Pro
 50 50 55 60
 53 Phe Ala Leu Arg Ala Gln Glu Leu Trp Tyr Glu Leu Glu Asn Glu Thr
 54 65 70 75 80
 57 His Asn Lys Ile Phe Thr Lys Thr Gly Val Leu Val Phe Gly Pro Lys
 58 85 90 95
 61 Gly Glu Ser Asp Phe Val Ala Glu Thr Met Glu Ala Ala Ala Glu His
 62 100 105 110
 65 Ser Leu Thr Val Asp Leu Leu Glu Gly Asp Glu Ile Asn Thr Arg Trp
 66 115 120 125
 69 Pro Gly Ile Thr Val Pro Glu Asn Tyr Asn Ala Ile Phe Glu Pro Asn
 70 130 135 140
 73 Ser Gly Val Leu Phe Ser Glu Asn Cys Ile Arg Ser Tyr Arg Glu Leu
 74 145 150 155 160
 77 Ala Val Ala Lys Gly Ala Lys Ile Leu Thr Tyr Thr Arg Val Glu Asp

RAW SEQUENCE LISTING

DATE: 10/18/2004

PATENT APPLICATION: US/10/829,427

TIME: 09:59:19

Input Set : A:\252202US0.txt

Output Set: N:\CRF4\09282004\J829427.raw

```

78          165          170          175
81 Phe Glu Val Ser Gln Asp Gln Val Lys Ile Gln Thr Ala Asn Gly Ser
82          180          185          190
85 Tyr Thr Ala Asp Lys Leu Ile Val Ser Met Gly Ala Trp Asn Ser Lys
86          195          200          205
89 Leu Leu Ser Lys Leu Asn Leu Asp Ile Pro Leu Gln Pro Tyr Arg Gln
90          210          215          220
93 Val Val Gly Phe Phe Asp Ser Asn Glu Ala Lys Tyr Ser Asn Asp Val
94 225          230          235          240
97 Gly Tyr Pro Ala Phe Met Val Glu Val Pro Lys Gly Ile Tyr Tyr Gly
98          245          250          255
101 Phe Pro Ser Phe Gly Gly Cys Gly Leu Lys Ile Gly Tyr His Thr Tyr
102          260          265          270
105 Gly Gln Gln Ile Asp Pro Asp Thr Ile Asn Arg Glu Phe Gly Ala Tyr
106          275          280          285
109 Gln Glu Asp Glu Ser Asn Leu Arg Asp Phe Leu Glu Lys Tyr Met Pro
110          290          295          300
113 Glu Ala Asn Gly Glu Leu Lys Arg Gly Ala Val Cys Met Tyr Thr Lys
114 305          310          315          320
117 Thr Pro Asp His His Phe Val Ile Asp Thr His Pro Glu His Ser Asn
118          325          330          335
121 Val Phe Val Ala Ala Gly Phe Ser Gly His Gly Phe Lys Phe Ser Ser
122          340          345          350
125 Val Val Gly Glu Val Leu Ser Gln Leu Ala Thr Thr Gly Lys Thr Glu
126          355          360          365
129 His Asp Ile Ser Ile Phe Ser Ile Asn Arg Pro Ala Leu Lys Gln Lys
130          370          375          380
133 Thr Thr Ile
134 385
137 <210> SEQ ID NO: 2
138 <211> LENGTH: 1164
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Synthetic DNA
145 <400> SEQUENCE: 2
146 atgagtacac attttgatgt gattgttggt ggagcaggat caatgggaat ggctgcaggg      60
148 tactatttag caaaacaagg agtcaaaaca ttattggtgg atgcattcga tccgccgcat      120
150 acagaaggaa gccatcacgg tgatactcgc attatccgcc atgcttacgg tgaaggaaga      180
152 gaatatgttc catttgcaact aagagcacaa gaattatggt atgaacttga aaatgaaaca      240
154 cacaataaga tttttacaaa aacaggcggt ctagtttttg gtccgaaagg tgaatccgat      300
156 ttcgttgccc aaacaatgga ggcagctgca gaacattcat tgatcgtgga tttacttgag      360
158 ggtgatgaaa tcaatacgcg ctggcccggc ataacgggtt ctgaaaacta taatgcaatt      420
160 tttgaaccaa attcaggcgt attgttcagt gagaattgta ttcgttcata ccgtgagctg      480
162 gctgtagcaa aaggagcaaa aattttaaca tatactcgtg ttgaggattt tgaagtttct      540
164 caagaccaag ttaaaatcca aacggcaaat ggatcgtaca cagctgataa attaatcgta      600
166 agtatgggtg cttggaatag taaactactt tctaaattaa atcttgacat cccattacag      660
168 ccataccgcc aagttgtagg attttttgat tctaataaag caaagtacag caatgatgtg      720
170 gattatccag cattcatggt agaagtacca aaaggatatt attacggatt cccaagcttc      780

```

RAW SEQUENCE LISTING

DATE: 10/18/2004

PATENT APPLICATION: US/10/829,427

TIME: 09:59:19

Input Set : A:\252202US0.txt

Output Set: N:\CRF4\09282004\J829427.raw

```

172 ggtggctgcg gtttgaaaat agggtatcat acgtatggtc aacaaatcga ccctgatacg      840
174 attaaccgtg aatttggtgc ttatcaagag gatgaaagta atcttcgcga tttcttgga      900
176 aaatatatgc cagaagcaaa tggcgagtta aaacgaggcg cagcttgat gtacacgaaa      960
178 acaccagatg aacatttcgt gattgatact catccagaac attccaatgt tttcgtagca    1020
180 gctggtttct ctggacacgg ctttaaattt tcaagtgtag tcggtgaagt gttaagtcaa    1080
182 ttagcgacaa caggtaaaac agaacatgat atttcaattt tctcaataaa tcgtcctgct    1140
184 ttaaaacaga aaacaacgat ttaa                                     1164
187 <210> SEQ ID NO: 3
188 <211> LENGTH: 22
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic DNA
195 <400> SEQUENCE: 3
196 gtaccggatc cgctagcttt ac                                     22
199 <210> SEQ ID NO: 4
200 <211> LENGTH: 21
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Synthetic DNA
207 <400> SEQUENCE: 4
208 cgacggccag agatctacta g                                     21

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/829,427

DATE: 10/18/2004

TIME: 09:59:20

Input Set : A:\252202US0.txt

Output Set: N:\CRF4\09282004\J829427.raw